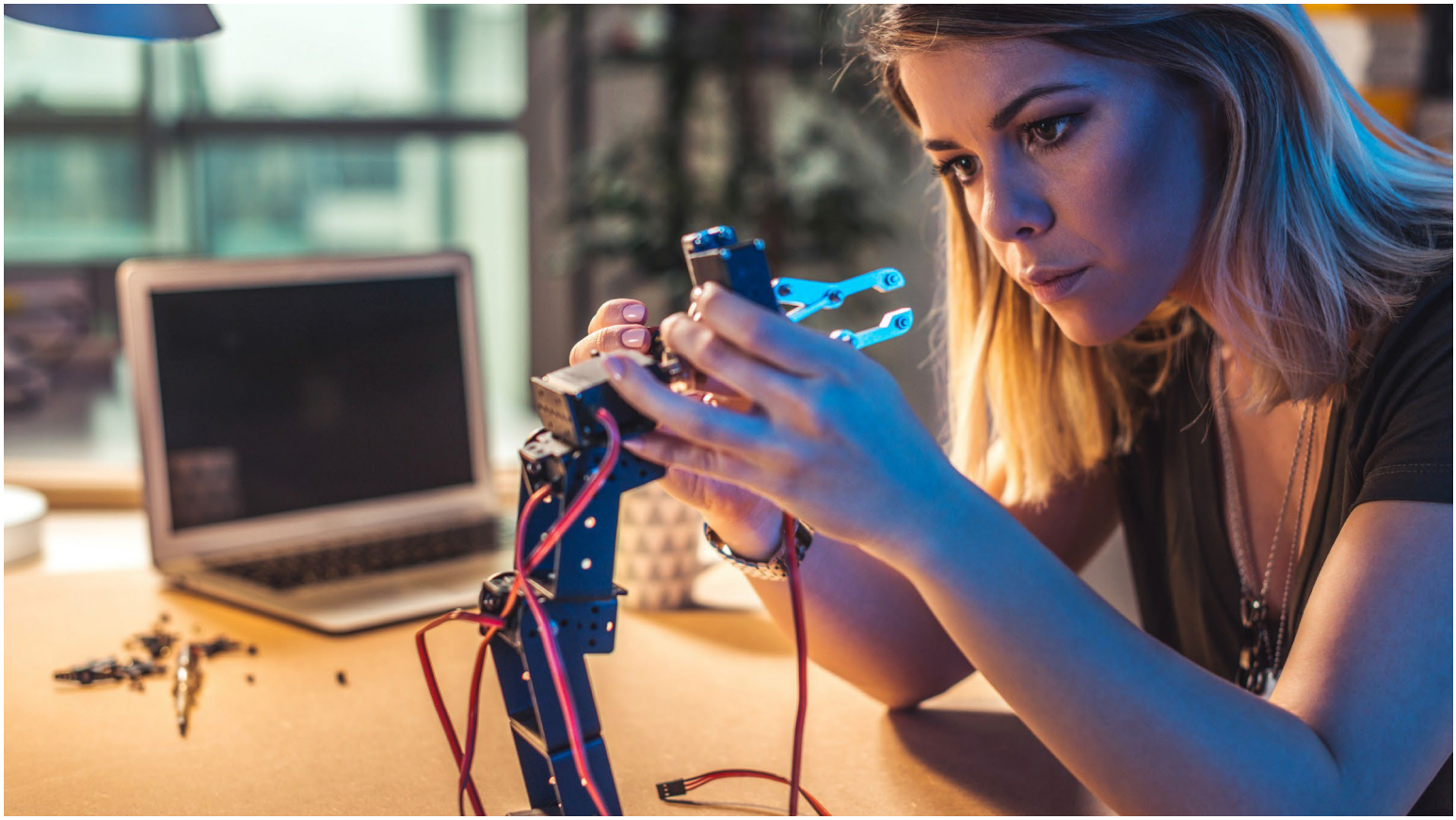
BACHELOR OF SCIENCE IN
ENGINEERING TECHNOLOGY



BUILD IT. BREAK IT. MAKE IT.

Our program gives you the opportunity to experience education in a practical, hands-on way. You'll have close, continuous interactions with faculty as you begin building your career through projects, independent research, internships, and interactive design.

This well-rounded degree can prepare you for jobs such as:

- *Production Supervisor*
- *Project Manager*
- *Safety Engineer*
- *Distribution Supervisor*
- *Manufacturing Engineer*
- *Product Design Engineer*
- *Machine Designer*
- *Engineering Manager*

INDUSTRY-DRIVEN CURRICULUM

In our program, you'll develop innovation and leadership skills that will help you succeed in the workplace. We emphasize engineering, technology, and technology management with practical classroom instruction and hands-on experience and opportunities to obtain industry-recognized certifications.

ACTIVE RESEARCH

Here at Eastern, you'll be able to engage and develop your research interests. Our interdisciplinary research studies connect you with industrial partners to pursue practical, real-world projects.

PROFESSIONAL NETWORKING

We purposefully develop strong relationships with companies, to provide you with regular interaction with industry leaders. Activities include technical projects, field trips, plant tours, national competitions, guest speakers, trade show attendance, and an industry-sponsored capstone experience. These interactions lead to many internship and full-time job offers.

- **WELL-ROUNDED CURRICULUM**
- **DEDICATED AND HIGH QUALITY FACULTY**
- **EXTENSIVE ENGAGEMENT OPPORTUNITIES**

PROGRAM COORDINATORS

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BACHELOR OF SCIENCE IN
ENGINEERING TECHNOLOGY

TOTAL DEGREE COURSE WORK :120HRS

Required Core (53 HRS):

CMG 2953 Statics and Strength of Materials. Credits: 3
EGT 1303 Engineering Technology Applications. Credits: 3
EGT 1323 Computers for Engineering Technology. Credits: 3
EGT 1413 Introduction to Engineering Technology. Credits: 3
EGT 2004G Materials Science and Evaluation. Credits: 4
EGT 2043 Computer-Aided Engineering Drawing. Credits: 3
EGT 2324 Electricity and Electronic Controls. Credits: 4
EGT 2424 Manufacturing and Fabrication Processes. Credits: 4
EGT 2773 Safety for Engineering Technology Professionals. Credits: 3
EGT 3414 Engineering Technology Project Management. Credits: 4
EGT 4503 Engineering Technology Cost Analysis. Credits: 3
EGT 4704 Engineering Technology Capstone. Credits: 4
EGT 4753 Lean Manufacturing. Credits: 3
EGT 4843 Statistical Quality and Reliability. Credits: 3
EGT 4943 Manufacturing Management. Credits: 3
ODL 4835 Supervision in Organizations. Credits: 3

Focus area (Choose one or more)

Industrial Distribution & Logistics (18 HRS)

BUS 2810 Business Statistics I. Credits: 3
OR
MAT 2250G Elementary Statistics. Credits: 4
EGT 3763 Automation and Data Capture. Credits: 3
OSC 3800 Spreadsheet Modeling and Analysis for Management Decision Making. Credits: 3
OSC 4810 Supply Chain and Logistics Management. Credits: 3

SELECT 6 HOURS OF THE FOLLOWING:
EGT 4803 Plant Layout and Material Handling. Credits: 3
EGT 3103 Robots and Control Systems. Credits: 3
EGT 4903 OSHA Certification for General Industry. Credits: 3
OSC 4820 Business Analytics and Data Mining. Credits: 3
TEC 4275 Internship. Credits: 1 to 10

Manufacturing Systems & Automation (18 HRS)

CIT 1813 Introduction to Programming (C++). Credits: 3
CIT 4843 Human Computer Interaction. Credits: 3
EGT 3103 Robots and Control Systems. Credits: 3
EGT 3763 Automation and Data Capture. Credits: 3

SELECT 6 HOURS OF THE FOLLOWING:
EGT 3663 CNC and Rapid Prototyping. Credits: 3
EGT 3703 Machine Design. Credits: 3
EGT 4803 Plant Layout and Material Handling. Credits: 3
EGT 4903 OSHA Certification for General Industry. Credits: 3
OSC 3430 Enterprise Resource Planning Systems. Credits: 3
TEC 4275 Internship. Credits: 1 to 10

Safety and Risk Management (18 HRS)

CMG 4023 Construction Risk Management. Credits: 3
CMG 4913 30 Hour OSHA Certification for Construction. Credits: 3
EGT 3803 Engineering Technology Ergonomics. Credits: 3
EGT 4903 OSHA Certification for General Industry. Credits: 3

SELECT 6 HOURS OF THE FOLLOWING:
CMG 4413 Advanced Construction Safety. Credits: 3
EGT 4803 Plant Layout and Material Handling. Credits: 3
ODL 4825 Ethical Behavior in Organizations. Credits: 3
TEC 4275 Internship. Credits: 1 to 10

Industrial Design and Product Development (18 HRS)

EGT 3063 3D Modeling. Credits: 3
EGT 3663 CNC and Rapid Prototyping. Credits: 3
EGT 3703 Machine Design. Credits: 3
EGT 4903 OSHA Certification for General Industry. Credits: 3

SELECT 6 HOURS OF THE FOLLOWING:
DGT 1363 Graphics Technology
DGT 2123 Digital Photography
DGT 3313 3D Modeling for Digital Media
CIT 4843 Human Computer Interaction. Credits: 3
EGT 4803 Plant Layout and Material Handling. Credits: 3
EGT 3103 Robots and Control Systems. Credits: 3
EGT 3763 Automation and Data Capture. Credits: 3
TEC 4275 Internship. Credits: 1 to 10

Career-related Track (18 HRS):

Select 18 hours of career-related or general education with assistance from an advisor to complete graduation requirements.